



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/524,519	09/08/2005	Ingvar Hallgren	6485-0043WOUS	1146
49698	7590	05/15/2008		
MICHAUD-DUFFY GROUP LLP 306 INDUSTRIAL PARK ROAD SUITE 206 MIDDLETON, CT 06457			EXAMINER	
			HOPKINS, ROBERT A	
			ART UNIT	PAPER NUMBER
			1797	
			MAIL DATE	DELIVERY MODE
			05/15/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/524,519	Applicant(s) HALLGREN ET AL.
	Examiner Robert A. Hopkins	Art Unit 1797

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If no period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on _____.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 14-26 is/are pending in the application.
 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
 5) Claim(s) ____ is/are allowed.
 6) Claim(s) 14-24 and 26 is/are rejected.
 7) Claim(s) 25 is/are objected to.
 8) Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on ____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date 2-11-05

4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.
 5) Notice of Informal Patent Application
 6) Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 14 -24 and 26 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Lapshev et al(4210276).

Lapshev et al teaches an apparatus for cleaning of a gas from particles suspended therein comprising a centrifugal rotor98) for rotation of the gas, which centrifugal rotor is rotatable about a rotational axis in two bearings(6,7) arranged axially spaced from each other and arranged to be charged with lubricant during operation of the centrifugal rotor, and wherein the centrifugal rotor surrounds a channel(35), which extends axially through the rotor and through which a mist of the lubricant is moveable from a space near the centrifugal rotor into contact with one of the bearings. Lapshev et al further teaches wherein the channel extends centrally through the centrifugal rotor. Lapshev et al further teaches wherein the rotor has a rotatable central shaft, which is rotatable with the rotor and delimits the channel. Lapshev et al further teaches wherein the centrifugal rotor is rotatable by means of pressurized lubricant in a way such that lubricant mist is generated in the space. Lapshev et al further teaches wherein the centrifugal rotor is drivingly to a turbine wheel(13), which is situated in the space. Lapshev et al teaches wherein the centrifugal rotor has a first axial end, situated in one

of within and near the space, the channel through the centrifugal rotor extending from the first axial end of the centrifugal rotor to a second axial end of the centrifugal rotor, where it opens into a lubricant chamber having an outlet arranged such that lubricant mist, which moves through the lubricant chamber, contacts the bearing. Lapshev et al further teaches wherein the one bearing is a ball bearing and is arranged in the outlet of the lubricant chamber. Lapshev et al further teaches wherein the centrifugal rotor is supported by a stationary cap, which delimits the lubricant chamber and supports one of the bearings. Lapshev et al further teaches wherein the centrifugal rotor has an inlet for gas to be cleaned, situated at the second axial end of the centrifugal rotor. Lapshev et al further teaches wherein the centrifugal rotor delimits a central inlet chamber for gas to be cleaned, the outlet from the lubricant chamber communicating with the central inlet chamber.

Allowable Subject Matter

Claim 25 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim 25 recites "wherein the centrifugal rotor includes a stack of conical separation discs, arranged coaxially with said rotational axis and which define separation passages between successive discs, said separation passages for receiving flowing gas to be cleaned, therethrough". Lapshev et al fails to teach a stack of conical separation discs, arranged coaxially with said rotational axis and which define separation passages between successive discs, said separation passages for receiving

Art Unit: 1797

flowing gas to be cleaned , therethrough. It would not have been obvious to someone of ordinary skill in the art at the time of the invention to provide a stack of conical separation discs , arranged coaxially with said rotational axis and which define separation passages between successive discs, said separation passages for receiving flowing gas to be cleaned , therethrough because Lapshev et al does not suggest such a modification.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert A. Hopkins whose telephone number is 571-272-1159. The examiner can normally be reached on Monday-Thursday, 7:30am-5pm, every Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duane Smith can be reached on 571-272-1166. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Rah
May 13, 2008

/Robert A Hopkins/
Primary Examiner, Art Unit 1797